

SINGLE-INPUT, DIFFERENTIAL OUTPUT LOW NOISE AMPLIFIER

ABSTRACT

An amplifier has an input terminal to receive an input signal. The amplifier includes a
5 first gain stage comprising a pair of input transistors and a second gain stage to drive an
output stage. The output stage provides inverting and non-inverting differential output
signals on inverting and non-inverting output nodes. The amplifier may also include a
feedback signal electrically connected between the inverting and non-inverting output nodes
to emitters of the input transistors through a resistor network.

10